Serial No. 10/676,335

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in RECEIVED the application and reflects the amendment of claims 1 and 5.

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## Listing of Claims:

- 1. (Currently Amended) A process for production of paper from an aqueous suspension containing cellulosic fibres, and optionally fillers, which comprises adding to the suspension a cationised polysaccharide product comprising a polysaccharide having
- (i) at least one first cationic or anionic substituent having an aromatic group; and
- (ii) at least one second substituent having no aromatic group,

forming and draining the suspension on a wire, the molar ratio of first substituent to second substituent being from 10:1 to 1:10.

- 2. (Original) The process of claim 1, wherein the polysaccharide has a cationic charge density within the range of from 0.05 to 4.0 meq/g.
- 3. (Previously Presented) The process of claim 1, wherein the first substituent comprises the following general structural formula (I):

$$R_1$$
 (I)

 $I X^ -A - N^+ - R_2$ 
 $I R_{Ar}$ 

wherein A is a group attaching N to the polysaccharide,  $R_1$  and  $R_2$  are individually H or alkyl having from 1 to 3 carbon atoms,  $R_{Ar}$  is an aromatic group containing 1 to 12 carbon atoms, or, alternatively,  $R_1$ ,  $R_2$ , and  $R_{Ar}$  together with N form an aromatic group, and X is a counterion.

- 4. (Original) The process of claim 1, wherein the first substituent comprises a benzyl group.
- 5. (Currently Amended) The process of claim 1, wherein the second substituent comprises the general structural formula (II):

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wherein B is a group attaching N to the polysaccharide,  $R_3$  and  $R_4$  are individually H or alkyl having from 1 to 3 carbon atoms;  $R_{non-Ar}$  is a non-aromatic group containing 1 to 4 carbon atoms; and  $X^-$  is a counterion.

- 6. (Original) The process of claim 1, wherein first substituent comprises  $CH_2-CH(OH)-CH_2-N^+((CH_3)_2)CH_2C_8H_5$  CF and the second substituent comprises  $CH_2-CH(OH)-CH_2-N^+((CH_3)_3)$  CF.
- 7. (Original) The process of claim 1, wherein the polysaccharide comprises cationised starch, cationised guar gum, or a mixture thereof.
- 8. (Original) The process of claim 1, wherein it further comprises adding at least one anionic material to the suspension.
- 9. (Original) The process of claim 8, wherein the anionic material comprises silica-based particles or clay of smectite type.
- 10. (Original) The process of claim 9, wherein the anionic material comprises silica-based particles having a specific surface area of at least 100 m<sup>2</sup>/g that are present in a sol having an S value in the range of from 5 to 50%.
- 11. (Previously Presented) The process of claim 8, wherein the anionic material comprises an anionic organic step-growth polymer.
- 12. (Original) The process of claim 11, wherein the anionic material comprises an anionic organic step-growth polymer which is a naphthalene sulphonate.
- 13. (Original) The process of claim 1, wherein the process further comprising recirculating white water and optionally introducing fresh water to form a suspension containing cellulosic fibres, and optional fillers, to be dewatered, the amount of fresh water introduced being less than 30 tonnes per tonne of dry paper produced.
- 14. (Original) The process of claim 1, wherein it further comprises adding to the suspension a cationic polyacrylamide.

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- 15. (Original) The process of claim 1, wherein it further comprises adding to the suspension a low molecular weight cationic synthetic organic polymer.
- 16. (Withdrawn) A process for production of paper from an aqueous suspension containing cellulosic fibres, and optionally fillers, which comprises adding to the suspension a cationised polysaccharide product comprising
  - (i) a polysaccharide having at least one first substituent having an aromatic group; and
  - (ii) a polysaccharide having at least one second substituent having no aromatic group,

forming and draining the suspension on a wire.

17. (Withdrawn) The process of claim 16, wherein the first substituent comprises the following general structural formula (I):

$$R_1 \qquad (I)$$

$$I \qquad X'$$

$$-A - N^{+} - R_2$$

$$I \qquad R_{Ar}$$

wherein A is a group attaching N to the polysaccharide,  $R_1$  and  $R_2$  are individually H or alkyl having from 1 to 3 carbon atoms,  $R_{Ar}$  is an aromatic group containing 1 to 12 carbon atoms, or, alternatively,  $R_1$ ,  $R_2$ , and  $R_{Ar}$  together with N form an aromatic group, and  $X^*$  is a counterion.

- 18. (Withdrawn) The process of claim 16, wherein the first substituent comprises a benzyl group.
- 19. (Withdrawn) The process of claim 16, wherein the second substituent comprises the general structural formula (II):

$$R_3$$
 (I)  
 $I X^-$   
 $-B - N^+ - R_4$   
 $I R_{non-Ar}$ 

wherein B is a group attaching N to the polysaccharide,  $R_3$  and  $R_4$  are individually H or alkyl having from 1 to 3 carbon atoms;  $R_{\text{non-Ar}}$  is a non-aromatic group containing 1 to 4 carbon atoms; and X is a counterion.

- 20. (Withdrawn) The process of claim 16, wherein first substituent comprises  $-CH_2-CH(OH)-CH_2-N^+((CH_3)_2)CH_2C_6H_5$  Cl<sup>-</sup> and the second substituent comprises  $-CH_2-CH(OH)-CH_2-N^+((CH_3)_3)$  Cl<sup>-</sup>.
- 21. (Withdrawn) The process of claim 16, wherein the polysaccharide comprises cationised starch, cationised guar gum, or a mixture thereof.
- 22. (Withdrawn) The process of claim 16, wherein it further comprises adding at least one anionic material to the suspension.
- 23. (Withdrawn) The process of claim 22, wherein the anionic material comprises silica-based particles or clay of smectite type.
- 24. (Withdrawn) The process of claim 23, wherein the anionic material comprises silica-based particles having a specific surface area of at least 100 m<sup>2</sup>/g that are present in a sol having an S value in the range of from 5 to 50%.
- 25. (Withdrawn) The process of claim 16, wherein the anionic material comprises an anionic organic step-growth polymer.
- 26. (Withdrawn) The process of claim 25, wherein the anionic material comprises an anionic organic step-growth polymer which is a naphthalene sulphonate.
- 27. (Withdrawn) The process of claim 16, wherein the polysaccharides are separately added to the suspension.
- 28. (Withdrawn) The process of claim 16, wherein the polysaccharides are added simultaneously to the suspension.
- 29. (Withdrawn) The process of claim 16, wherein it further comprises adding to the suspension a cationic polyacrylamide.
- 30. (Withdrawn) The process of claim 16, wherein it further comprises adding to the suspension a low molecular weight cationic synthetic organic polymer.
- 31. (Previously Presented) The process of claim 1, wherein the molar ratio of first substituent to second substituent is from 7:1 to 1:7.